

WHAT IS CLAIMED IS:

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1. A method of transmitting image data through a network including a router to a plurality of terminals, said method comprising the steps of:

10 adding screening information to the image data for each of a plurality of image types;
transmitting the image data of the plurality of image types to the network;
receiving the image data of the plurality of image types from the network by the router;
15 selecting, by the router, the image data of an image type corresponding to a network environment of a transmission path based on the screening information; and
transmitting the image data of the image
20 type selected by the router to one of the plurality of terminals through said transmission path.

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2. A method of transmitting image data through a network including a router to a plurality of terminals, said method comprising the steps of:

30 adding screening information to the image data;
transmitting the image data to the network;
receiving the image data from the network by the router;
35 selecting the image data including the screening information corresponding to a network environment of each transmission path by the router;

and

transmitting the image data selected by the router to the plurality of terminals through said each transmission path.

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3. An image transmission apparatus
10 transmitting image data through a network including
a router to a plurality of terminals, said image
transmission apparatus comprising a screening-
information adding unit adding screening information
that is a standard of selecting the image data for
15 each transmission path at the router, to the image
data, and then transmitting the image data to the
network.

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4. The image transmission apparatus as
claimed in claim 3, wherein said image data is made
into a packet for each image type, and said
25 screening information is a value corresponding to
the image type.

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5. The image transmission apparatus as
claimed in claim 4, wherein said image type is one
of an I-picture, a P-picture and a B-picture of an
MPEG (Moving Picture Experts Group), said packet is
35 an IP (Internet Protocol) packet, and said screening
information is a destination port number included in
a UDP (User Datagram Protocol) header of the IP

packet.

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6. A routing apparatus receiving image data from an image transmission apparatus through a network, and transmitting the image data to a plurality of terminals, said routing apparatus
10 comprising a selecting and transmitting unit selecting the image data including screening information corresponding to a network environment of each transmission path, and transmitting selected image data to the plurality of terminals through
15 said each transmission path.

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7. The routing apparatus as claimed in claim 6, wherein said image data is made into a packet for each image type, and said screening information is a value corresponding to the image type.

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8. The routing apparatus as claimed in
30 claim 7, wherein said image type is one of an I-picture, a P-picture and a B-picture of an MPEG (Moving Picture Experts Group), said packet is an IP (Internet Protocol) packet, and said screening information is a destination port number included in
35 a UDP (User Datagram Protocol) header of the IP packet.

9. An image transmission system comprising:

an image transmission apparatus adding screening information to image data, and
5 transmitting the image data to a network;
a routing apparatus receiving the image data from the network, selecting the image data including the screening information corresponding to a network environment of each transmission path, and
10 transmitting selected image data to each transmission path; and
a plurality of terminals, each receiving the image data selected by said routing apparatus through a corresponding transmission path.

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10. The image transmission system as
20 claimed in claim 9, wherein said image data is made into a packet for each image type, and said screening information is a value corresponding to the image type.

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11. The image transmission apparatus as
30 claimed in claim 10, wherein said image type is one of an I-picture, a P-picture and a B-picture of an MPEG (Moving Picture Experts Group), said packet is an IP (Internet Protocol) packet, and said screening information is a destination port number included in a UDP (User Datagram Protocol) header of the IP
35 packet.